

C L A I M S

1. Sheet-shaped product processable by means of flow
moulding comprising carbon fibres and a
5 thermosetting resin mixture based on radical-
curable resin as the matrix, characterised in
that the carbon fibres are present in the form of
mats that consist substantially of fibres with
lengths of more than 1 cm, the volume percentage
10 of the carbon fibres relative to the resin being
less than 70% and the carbon fibres in the mat
moving freely relative to one another when the
sheet-shaped product is subjected to a pressure
in a mould so that, at that pressure and the
15 employed lay-up percentage of the mould, a net
end product with a homogeneous fibre distribution
is formed.
2. Sheet-shaped product according to Claim 1,
characterised in that the fibrous material
20 consists entirely of carbon fibres.
3. Sheet-shaped product according to Claim 2,
characterised in that the carbon fibres are
present in the sheet-shaped product in the form
of an isotropic or anisotropic mat.
- 25 4. Sheet-shaped product according to any one of
Claims 1-3, characterised in that the surface
weight of the fibrous material is between 150 and
700 g/m².
5. Sheet-shaped product according to any one of
30 Claims 1-4, characterised in that an unsaturated
polyester resin, vinyl ester resin or hybrid
resin is used as the radical-curable resin.

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